Table 1: July 29, 2002 - System Issues and Status

Activity	Lead	Status

Processing Strategy	Geier	**As of 7/26/02**
		
		• Active processing requests in approximate order of priority:
		  - Terra Edition2 BDS and ERBElike data products (PR 37-02 through 46-02)
		  - Terra Edition1A SSF data products (PR 50-02 & 51-02)
		  - TRMM Edition2B CRS (PR 49-02) entire data set getting reprocessed due to archive issues
		  - TRMM Edition2B SFC data (PR 36-02)
		  - Beta5 GGEO for Jan - Aug 1998 and March 2000 (PR 56-02)
		  - TRMM Beta5 SRBAVG for Feb'98 and Jul'98 (PR 55-02)
		  - TRMM Beta3 FSW for Apr'98 and Feb'98 (PR 28-02)
		  - TRMM Subset-Edition2B CRS (PR 57-02)
		  - TRMM Edition2B-TransOps SSF (PR 53-02)
		  - TRMM Edition2B-TransOps CRS (PR 52-02)
		
		• Processing requests expected to be active within 3 weeks are:
		  - ECMWF MOA for Aug'01 - Aug'02
		
		• Issued processing requests which have been placed on hold:
		  - Standing request for Baseline1 BDS, ERBElike. Continue processing Edition1 until all BDS & ERBElike data has been reprocessed as Edition2 and Science is happy with it. Only then will Edition1 be replaced by Baseline1.

CM	Ayers	• See Table 2 for SCCR activity since the last DMT meeting. SCCRs for Subsystems 1-4 that need to be reviewed follow Table 2. (Ayers) • Tested the following deliveries and released them to the ASDC: TISA Gridding (SCCR 374) and GGEO (SCCR 366). (Ayers) • Delivered the updated gains files for Terra FM1 and FM2 for 03/01/00-02/28/01 to the ASDC. (Ayers) • Distributed an updated delivery schedule for review. (Ayers) • Delivered the ES-8 and SSF sample read packages to the ASDC. (Ayers)

Table 2: SCCR Activity July 15 at 12:30pm - July 29 at 11:30am

SCCR	S	U	A	C	D	SS	Page No.	Comments
358				X		4.5		
366		X	X			11		
369				X		2 & 3		
374				X		6 & 9		
377	X	X	X		X	11		
378	X		X	X		2&3	2	

S=Submitted; **U**=Updated; **A**=Approved; **C**=Closed; **D**=Disapproved; **SS**=Subsystem

CERES Software Configuration Change Request Submittal
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Subsystem: ERBElike   SCCR Date & TIME: 2002-07-26 13:17:50   SCCR No.: 378

Description of Change (Science):
N/A

Reason for Change (Science):
N/A

Description of Change (non-Science):
Delivery of the ES8 HDF Read Software to read the new Vdata, Spectral Response Functions. A new routine was added to the software to read the new Vdata. A new ES8 sample data file was produced along with an ASCII file containing a description of the data in the sample ES8. The PDF document describing the ES8 data structures was also updated.

Reason for Change (non-Science):
The Vdata, Spectral Response Functions, was added to the ES-8 data product w/ Vdata fields:
   SW channel wavelengths, SW spectral response values
   TOT channel wavelengths, TOT spectral response values
   WN channel wavelengths, WN spectral response values

Affected PGEs   : N/A

Est. Time to Complete Changes: 1 day
Planned Delivery Date   : July 26, 2002
Impact   : None

Originator: KIZER, EDWARD A.   (SAIC)

Table 3: July 15, 2002 - Subsystem Status

SS No.	SS Lead	Status	Problems
1.0	Cooper/ Escuadra	• Completed updates to programs at SCF that use Aqua ephemeris and attitude data to accomidate the new filenaming convention. (Cooper) • Began work to update all PGEs to use the same set of Metadata routines. PGE CER1.3P1 has been updated and tested. (Cooper) • A problem was found with the Terra Updated Gain Coefficient file for Edition2 processing, which caused PGE CER1.3P3 to use zero for the gains instead of the proper interpolated values. The problem was caused by an incorrect year in the date of the last set of gains used by the program. The files were updated and sent to ASDC, so that the data could be reprocessed. An update to CER1.3P3 is being tested, which will cause the program to fail if the interpolated gains do not fall within the range of the end points of the interpolation. (Cooper, Escuadra) • Continued work on getting the necessary information for the CRYSTAL-FACE experiment. (Hess, Szewczyk) • Began work on the Terra-Aqua Intercomparison. Updating code and scripts to work with Aqua. (Szewczyk) • Completed the 3-channel intercomparison and the direct comparison for Aqua June 2002 thru July 2002 for the available data processed at the SCF. Also, completed the 3-channel intercomparison and the direct comparison for Terra Edition1 data for March and April 2002. (Spence) • Continued work to consolidate all of the HDF routines used for all the SS1 PGEs into one set of routines that will be used by all PGEs. (Escuadra) • Continued tracking Terra and Aqua data receipt. (Cooper)	

Table 3: July 15, 2002 - Subsystem Status

SS No.	SS Lead	Status	Problems
2.0	Kizer	• Aqua-FM3 and FM4 data for June 25 through July 21, 2002 were run through the ERBE-like Inversion code at the SCF. The ES-8 data files were made available to the Instrument Team for Aqua data validation to include three channel inter-comparison and inter-calibration studies. (Kizer) • The ES-4 and ES-9 Description/Abstract pages were updated and sent to the ASCD Web curator. (Kizer) • The ES-8 Data Products Catalog pages were finalized and inserted into the ES-8 sample read software package and delivered to CERES CM. (Kizer) • Completed updating ES-8 IDL plotting software to read all Vdata parameters, to include the new Spectral Response Functions. (Kizer) • Continuing to examine the production email generated by the QC checker software. (Walikainen) • Continuing to inspect ERBE-like Terra and TRMM output plots and QC reports on the Web. (Walikainen, Kizer)	
3.0	Kizer	Combined with above.	
4.1	Sun-Mack	• Presented a poster on global Cloud properties at local-time during the TRMM International Science Conference. (Sun-Mack) • Processed TRMM VIRS Edition2 images for the Pacific ITCZ region from 199801-199912. (Brown) • Processed Daily QC global images and statistics for Terra MODIS Edition1A for 20001101-20001112. This will allow Dr. Minnis to verify cloud phase. (Brown)	
4.2	Sun-Mack	Combined with above.	
4.3	Sun-Mack	Combined with above.	

Table 3: July 15, 2002 - Subsystem Status

SS No.	SS Lead	Status	Problems
4.4	Miller	• Processed September 25, 2000 and October 22 and 23, 2001 through clouds and convolution for Dr. Loeb. (Miller) • Reviewed the SSF Data Description and Quality Summary web pages. Provided update as necessary. (Miller) • Provided input on necessary clouds and convolution changes for NPP. (Miller) • Verified DMSS files were correctly transferred to tape archive. (Miller)	
4.5	Nolan	• Created Terra FM1 and FM2 binary SSF files at the SCF for all available hours of October 22-23, 2001 data. Also created FM1 and FM2 binary SSF files for September 25, 2000 hours 11, 12, and 13. The September files contained FOVs for a validation site off the coast of South Africa. New PCF generators, run scripts, and environment files were created for these jobs. (Franklin and Nolan) • Created SSF subset files for Terra FM1 and FM2 October 22-23, 2001 and September 25, 2000 data for Norman Loeb and the ADM Working Group.(Nolan) • Attended meeting to finalize the CERES DPC page format. (Nolan) • Delivered SSF Read Package to CERES CM. (Franklin) • Continued work on adding SSF Validation interim product to post processor PGE 4.5-6.2P2 (Hoppe). • Initiated work on PGE 4.5-6.4P1 which will create a monthly validation product for the Surface-only group. (Hoppe)	
4.6	Nolan	Combined with above.	

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SS No.	SS Lead	Status	Problems
5.0	Coleman	• Testing new Monthly Gridded MODIS Aerosol Pre-Processor. (Caldwell) • Developing interface to use data produced by Monthly Gridded MODIS Aerosol Pre-Processor. (Coleman) • Incorporating contributed module to alter IGBP vector to be consistent with Cloud Group snow/ice fraction. (Coleman) • Adding Martial Haeffelin's SIRTA site to the CERES Validation Regions List. (Coleman)	
7.2	Coleman	Combined with above.	
12.0	Coleman	• No new updates.	
7.1	Nguyen	• No new updates.	
8.0	Nguyen	• No new updates.	
10.0	Nguyen	• Continue validating SRBAVG. Searching for causes of anomalies in the total-sky SW TOA flux region 32736. Checking the monthly hourly cloud average and the average TOA net flux as suggested by Dave Young. (Nguyen) • SW Directional Models are being tested with a direct integration method. (Boghosian)	
6.0	Raju	• No new updates	
9.0	Raju	• Received from Mr. Dave Young (RAB) a list of 10 MODIS Aerosol parameters which need to be on Gridding products. Created two new modules to handle aerosol data in the gridding process. Made test runs and checked outputs. (Raju)	

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SS No.	SS Lead	Status	Problems
11.0	Stassi	• Investigated a problem with the GGEO/Clouds interface which was causing incorrect cloud amounts to be calculated for some hourboxes. This problem was unrelated to the difference in logic IDs between the GGEO and Clouds Subsystems for the Metadata runtime parameters. The problem was found to be an array, whose first dimension was increased in the Clouds source code, but it was not updated in one subroutine that is used exclusively for GEO clouds processing. This routine was updated, and it was added to the GGEO source directories to be included in the GGEO Subsystem delivery. (Sun-Mack, Stassi) • The manual procedures in the Test Plan document were updated to reflect changes to the test suites. (Stassi) • The GGEO code was delivered with the latest corrections. (Stassi) • The recalibration coefficient files were updated with the latest versions of the coefficients created during validation processing. These files were delta delivered to CERES CM. (Stassi) • A problem with the solar zenith angle calculation on the GGEO was discovered for early overlap hours of the month. The problem was due to the solar declination information being initiated for the data month, which is not the same as the month of the overlap data. A correction was made and will be included in the next GGEO delivery. (Stassi)	
CERESlib Stassi/Ayers		• Testing CERESlib with the latest version of Toolkit. This version contains both HDF4 and HDF4 libraries, and that requires some modifications to the start-up scripts. (Stassi)	